

## **JULIAN** **TECHNICAL SERVICE BULLETIN #206**

<b>Product:</b>	<b>Julian</b>
<b>Date:</b>	April 30, 2001
<b>Re:</b>	<b>Julian Rework Program</b>
<b>Reference Doc:</b>	Julian Service Manual, feedback form (attachment)
<b>Reason/Rational:</b>	To improve the reliability and performance of the Julian anesthesia machine by performing the following: error log downloads, software updates (if applicable), the completion of Julian Service Bulletins #23, #26, #27, #204 and #205 and the installation of additional improved parts.
<b>Solution/Procedure:</b>	<p>a) <b>Download Julian error log</b> according to the procedure found in the Julian service manual, section 46.2: "Reading out Error Log (software 1.04 or later)". E-mail Julian error log to <a href="mailto:munsellm@draegermed.com">munsellm@draegermed.com</a>.</p> <p>b) <b>Download IRIA error log</b> according to the procedure found in the Julian service manual, section 35.3: "Reading out the IRIA error log as of software version 3.0 with VISIA". E-mail IRIA error log to <a href="mailto:munsellm@draegermed.com">munsellm@draegermed.com</a>.</p> <p>c) <b>If applicable, download Julian Software version 3.02 and IRIA software version 3.01.</b> Both software versions can be found in the NAD Software Database on Lotus Notes. For installation instructions for the Julian software, please follow the instructions found in the Julian Service manual under section 38.5: "Julian Download Procedure". For the installation instructions of the IRIA software, please follow the instructions found in the Julian Service Manual under section 35.5: "Download Program with External RS232 Interface".</p> <p>d) <b>Completion of Julian Technical Service Bulletin #26.</b> These parts are to be installed to reduce machine resets and warm starts. This includes the installation of part numbers: <b>1834967</b>- ferrite core and <b>8604084</b>- adapter plug. The installation instructions will be included with each of these parts.</p>

e) **Completion of Julian Technical Service Bulletin #27.** This includes the replacement of both man/spont diaphragms (part number **M32514**- quantity of 2 per machine), located in the breathing system of the Julian. Please refer to the "Breathing System Test Certificate", page 4, for the location of the man/spont diaphragm. Please refer to the diagram of the man/spont diaphragm, found as part of Julian Technical Service Bulletin #27, for proper assembly of the diaphragms.

f) **Completion of Julian Technical Service Bulletin #23:** testing of Ventdos Controller lithium battery. Please refer to Julian Technical Service Bulletin #23 for testing procedure. Replace battery if necessary. Lithium battery part number is **1835343**.

g) **Completion of Julian Technical Service Bulletin #204:** Installation of new Freshgas inlet gasket in the breathing system. Refer to installation instructions included with part number **8604099**- Freshgas Mod. Kit- Julian.

h) **Complete installation of improved breathing system latch.** Latch has been redesigned to eliminate breakage. Part number of latch is **M33879**.

i) **Completion of Julian Technical Service Bulletin #205: installation of "PEEP valve modification kit".** This modification is meant to reduce the oscillation tendencies between the safety valve and the PEEP valve. The installation instructions will be included with the part. Part number is **8604094**- PEEP valve Modification Kit.

j) **If applicable, complete the installation of the "Suction System upgrade"** to increase internal suction system performance. This upgrade should only be performed if deemed necessary for customer accommodation. Installation instructions will be included with the part. Part number is **8601972**- Suction Upgrade-Julian.

k) **Completion of required "Feedback Form"** (attachment 1), to track progress and provide reimbursement to Authorized Service Organizations and DrägerService Regions.

**Devices affected:** All Julian anesthesia machines.

**Timing/When:** Next repair or preventative maintenance interval, **but no later than August 2001.**

- Additional Info:** re: d) Completion of Julian Technical Service Bulletin #26: The replacement of part number 1834967- ferrite core, is only recommended for Julian units manufactured in 1996 and 1997. Reference Julian serial numbers ARKx-xxxx and ARLx-xxxx.
- Cost:** Parts will be provided free of charge as listed below. All Authorized Service Organizations and DrägerService Regions will be reimbursed a fee of \$75.00 per reworked Julian, pending receipt of completed feedback form. This form may be completed either per machine or per account.
- Time Required:**
- re. a) 5 minutes
  - re. b) 5 minutes
  - re. c) 50 minutes- if applicable
  - re. d) 5 minutes- after removal of back panel
  - re. e) 10 minutes- Disassembly and assembly of diaphragm assembly
  - re. f) 5 minutes
  - re. g) 20- including installation and sterilizer time
  - re. h) 5 minutes
  - re. i) 10 minutes
  - re. j) 1 hour 30 minutes- if applicable
- Testing when all modifications completed:  
Electrical Safety Testing- 10 minutes  
Safety and Function Test- 1 hour
- Ordering Info/Parts:** The following part numbers will be supplied free of charge under this Service Bulletin number until the completion date of August 2001, please contact you Customer Service representative:

Part Number	Qty.
1834967- Ferrite core (if applicable)	1
8604084- Adapter plug	1
M32514- man/spont diaphragm	2
8604099- Mod Kit. -Freshgas- Julian	1
M33879- lever	1
8604094- PEEP valve Mod. Kit	1
8601972- Suction System Upgrade (if applicable)	1
1835343- lithium battery	1

- Distribution:** All Authorized Service Organizations, DrägerService  
If you have any questions, please contact Technical Support by phone at 1-800-543-5047 or by fax at 1-215-721-5784.

## Julian Rework Feedback Form

### Fill out entirely

Technical Product Manager: Michael Munsell  
 Phone number: (800) 543- 5047 ex. 2285  
 Fax number: (215) 721- 5784  
 e-mail address: munsellm@draegermed.com

## Attachment 1

### From:

Company: \_\_\_\_\_

Technician Name: \_\_\_\_\_

Engineer Number \_\_\_\_\_

Date of Completion: \_\_\_\_\_

Serial Number			Errorlog Download (X)	
Julian	IRIA	Hospital	Julian	IRIA

Software		
Previous Julian Software (if applicable)	System Software 3.x Julian 3.02/ IRIA 3.01 (X)	Updated Software (X)

TSB's/ Additional Parts (X)							
Julian TSB #23- Ventdos Battery test	Julian TSB #26- Ferrite core/ adapter plug	Julian TSB#27- Man/spont diaphragm	Julian TSB #204 Freshgas inlet mod.	Julian TSB #205- PEEP valve mod. kit	M33879- latch	Suction upgrade (if applicable)	

NOTE- (X)= mark with an X if completed